



Jefferson Lab Alignment Group

Data Transmittal

TO: S. Christo

DATE: 16 May 2007

FROM: J. Dahlberg

Checked:

: B1112

DETAILS:

Data: Fiduc\HallB\Region1_12gev\Reg1Left, Reg1Right

Attached below are the results from the 12 GEV region 1 endplate inspection surveys. A right handed coordinate system was established in reference to drawings 66210-E-04701 for the left side and drawing 66210-E-04702 for the right. An average plane on datum A was established using all measured hole locations to set the Y origin. Datum B set the X origin, and datum C, the Z origin. Note that the endplates were set on a surface plate in a relaxed state when measured. There were areas where gaps were seen between the endplates and the surface plate. Therefore, the Y values are a measure of flatness and not an indication of thickness variations. In summary, all holes measured were within the XZ tolerance zone specified on the drawings with the exception of the four tooling ball holes listed below. The accuracy of the survey is 0.02 millimeters.

LOCATION	POSITIONAL ERROR (mm)
Left endplate: TB9	0.01
TB10	0.02
TB11	0.02
Right endplate TB12	0.02

Left plate: [12gevReg1Leftreport.xls](#)

Right plate: [12GevReg1Rightreport.xls](#)